Performance Data Sheet

AWA9514ZXN

General Information

Model	AWA9514ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	14300	12700	11000	9350	7700	6040	4370
	Watts	2000	1980	1950	1930	1900	1870	1830
	Amps	9.82	9.75	9.68	9.60	9.51	9.41	9.31
	Lb/h	256	236	217	197	176	156	135
5	Btu/h	16700	14800	13000	11100	9240	7370	5500
	Watts	2100	2080	2070	2050	2040	2010	1990
	Amps	10.2	10.2	10.1	10.1	10.1	10.0	9.93
	Lb/h	295	274	253	232	211	189	167
10	Btu/h	19200	17100	15000	12900	10900	8800	6720
	Watts	2200	2200	2200	2200	2190	2180	2170
	Amps	10.6	10.6	10.7	10.7	10.7	10.7	10.7
	Lb/h	340	318	296	274	251	228	205
15	Btu/h	21800	19500	17200	14900	12600	10300	8050
	Watts	2290	2310	2330	2350	2360	2370	2370
	Amps	11.0	11.1	11.2	11.3	11.3	11.4	11.4
	Lb/h	389	366	343	321	297	274	249
20	Btu/h	24600	22000	19500	17000	14500	12000	9490
	Watts	2370	2410	2450	2490	2520	2550	2570
	Amps	11.4	11.6	11.7	11.9	12.0	12.1	12.2
	Lb/h	441	418	395	371	348	323	299
25	Btu/h	27500	24700	22000	19300	16500	13800	11100
	Watts	2420	2490	2550	2610	2670	2720	2760
	Amps	11.7	11.9	12.2	12.4	12.6	12.8	13.0
	Lb/h	496	473	449	426	401	377	352
30	Btu/h	30600	27600	24600	21700	18700	15700	12800
	Watts	2430	2530	2620	2700	2780	2860	2930
	Amps	11.8	12.2	12.5	12.8	13.1	13.4	13.7
	Lb/h	552	529	506	482	458	433	408

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.750499E+04	2.190788E+03	1.032965E+01	4.118876E+02
C2	8.027552E+02	-4.526644E+00	-1.036554E-02	8.932337E+00

C3	-1.648438E+02	-2.536474E+00	-7.075263E-03	-1.968159E+00
C4	2.695472E+00	-1.122976E-01	-1.524842E-04	8.702270E-02
C5	-4.314095E+00	3.153142E-01	1.142549E-03	-1.780494E-02
C6	2.590502E-03	6.363738E-03	2.430075E-05	6.785501E-04
C7	1.981481E-02	-1.543127E-02	-5.230813E-05	-1.231034E-03
C8	-8.755608E-03	6.070271E-03	2.023574E-05	4.751385E-04
C9	9.971021E-04	-5.770117E-04	-1.865942E-06	-4.343751E-05
C10	-3.814827E-05	-4.692958E-05	-1.850844E-07	-5.255742E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AWA9514ZXN

General Information

Model	AWA9514ZXN	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V ~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	CSR

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	25800	23400	20900	18500	16000	13500	10900
	Watts	2320	2370	2420	2470	2510	2560	2600
	Amps	10.9	11.1	11.3	11.5	11.7	11.9	12.1
	Lb/h	419	398	378	356	335	312	289
25	Btu/h	29200	26500	23800	21100	18300	15600	12800
	Watts	2400	2470	2540	2600	2660	2720	2780
	Amps	11.3	11.5	11.8	12.1	12.4	12.6	12.9
	Lb/h	475	453	431	409	386	363	340
30	Btu/h	32800	29700	26700	23700	20700	17700	14600
	Watts	2480	2560	2640	2720	2800	2880	2950
	Amps	11.6	11.9	12.3	12.6	12.9	13.3	13.6
	Lb/h	535	511	488	464	440	417	392
35	Btu/h	36600	33200	29800	26400	23100	19800	16500
	Watts	2540	2640	2730	2830	2920	3020	3110
	Amps	11.9	12.2	12.7	13.1	13.5	13.9	14.3
	Lb/h	600	574	549	524	498	473	448
40	Btu/h	40600	36800	33000	29300	25600	22000	18300
	Watts	2600	2710	2820	2930	3040	3150	3250
	Amps	12.1	12.6	13.0	13.5	13.9	14.4	14.9
	Lb/h	671	643	615	588	561	534	507
45	Btu/h	45000	40700	36500	32400	28300	24300	20300
	Watts	2650	2770	2900	3020	3140	3260	3390
	Amps	12.4	12.9	13.4	13.9	14.4	14.9	15.4
	Lb/h	749	717	687	657	628	599	570
50	Btu/h	49700	44900	40300	35700	31200	26800	22500
	Watts	2700	2830	2960	3100	3240	3370	3510
	Amps	12.6	13.1	13.7	14.2	14.8	15.4	16.0
	Lb/h	833	798	765	732	700	669	638

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.260021E+04	1.932923E+03	9.497277E+00	3.525695E+02
C2	1.081130E+03	2.129643E+00	-3.872894E-04	9.707303E+00

C3	-1.173443E+02	-7.596599E-01	-4.540355E-03	-1.427307E+00
C4	2.752192E+00	-1.846690E-01	-7.024801E-04	9.141905E-02
C5	-6.351829E+00	2.921123E-01	1.276248E-03	-3.231186E-02
C6	-1.146132E-02	3.363319E-03	1.123568E-05	3.977634E-04
C7	6.967448E-02	1.063173E-03	1.244465E-05	7.867225E-04
C8	-6.367543E-02	-1.191810E-03	-1.224439E-05	-7.494015E-04
C9	1.801832E-02	3.958771E-04	3.698365E-06	2.200934E-04
C10	-1.459444E-03	-6.471334E-05	-4.234005E-07	-2.262681E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature